

IN THE CLAIMS:

Claims 1-10 Cancelled

Claim 11 (currently amended) ~~A~~ The method according to claim 22 further for treating a
~~patient having a liver disease of viral origin, said disease being selected from the group~~
~~consisting of chronic hepatitis C, and cirrhosis caused by hepatitis C virus; said method~~
comprising a step of administering to the patient an amount of IFN-alpha 5 ~~or a~~
~~nucleotide sequence encoding IFN-alpha 5~~ that is effective to raise the level of IFN-alpha
5 in the patient.

Claim 12 (currently amended) A method according to claim 11, wherein the patient has a
liver disease that is chronic hepatitis C.

Claim 13. (currently amended) A method according to claim 11, wherein the patient has a
liver disease that is cirrhosis of viral origin.

Claim 14 (cancelled)

Claim 15 (cancelled)

Claim 16 (previously presented) A method according to claim 11, comprising
administering to the patient a recombinant protein comprising said IFN-alpha 5.

Claim 17 (previously presented) A method according to claim 16, wherein said recombinant protein is prepared by cloning an expression vector in a procaryotic host organism.

Claim 18 (previously presented) A method according to claim 16, wherein said recombinant protein is prepared by cloning an expression vector in *E. coli*.

Claim 19 (previously presented) A method according to claim 16, wherein said recombinant protein is prepared by cloning an expression vector in a eukaryotic host organism.

Claim 20 (previously presented) A method according to claim 19, wherein the eukaryotic host organism is *Solanum tuberosum*.

Claim 21 (cancelled)

Claim 22 (currently amended) A method ~~for~~ comprising screening a patient suspected of having a liver disease, said method comprising assaying liver cells of the patient for reduced levels of IFN-alpha 5.

Claim 23 to 28 (cancelled)